Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti; and

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as ~~a third element group;~~ an additional element; and

second-phase particles formed of Cu, Ti and the additional element;

wherein not less than 50% of the total content of the ~~third element group~~ additional element exists as ~~a~~ the second-phase particle.

2. (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti;

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as ~~a third element group~~ an additional element; and

~~a~~ second-phase particles ~~particle with not less than 0.01μm^2 area observed by a cross section speculum~~ formed of Cu, Ti and the additional element;

wherein the second-phase particles have not less than 0.01μm^2 area observed by a cross section speculum, and the rate of the number of second-phase particles in which the content of the ~~third element group~~ additional element within the second-phase particles is not less than 10 times the content of the ~~third element group~~ additional element within the alloy is not less than 70% of the total number of the second-phase ~~particle~~ particles.

3. (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti;

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as ~~a third element group~~ an additional element; and

a second-phase particle ~~with not less than 0.01 μm^2 area observed by a cross section speculum~~ formed of Cu, Ti and the additional element;

wherein the second-phase particle has not less than 0.01 μm^2 area observed by a cross section speculum, and the second-phase particle has an area percentage Af of not more than 1.0%.

4. (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti;

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as ~~a third element group~~ an additional element;

~~a~~ second-phase particles ~~particle with~~ formed of Cu, Ti and the additional element, wherein the second-phase particles have not less than 0.01 μm^2 area observed by a cross section speculum; and

an equable dispersion degree E defined by the following equation

$$E = \frac{\sqrt{\frac{1}{n}\sum_{i}^{n}\left(d_i - \sqrt{A_0/N_A}\right)^2}}{\sqrt{\frac{A_0}{N_A}}}$$

wherein d_i is the distance from ~~the~~ an i-th second-phase particle to ~~the~~ a nearest second-phase particle, A_o is the measured visual field area, and N_A is the number of the second-phase ~~particle~~ particles confirmed within the measured visual field area, wherein the equable dispersion degree E is not more than 0.8.

5. (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti;

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as ~~a third element group~~ an additional element;

an area percentage Af of ~~a~~ second-phase particles ~~particle with not less than 0.01 μm^2 area observed by a cross section speculum~~ formed of Cu, Ti and the additional element, wherein the second-phase particles have not less than 0.01 μm^2 area observed by a cross section speculum, and the area percentage Af is not more than 1.0%;

~~a~~ the second-phase ~~particle~~ particles with not less than 0.01μm^2 area observed by the cross section speculum; and

an equable dispersion degree E defined by the following equation

$$E = \frac{\sqrt{\frac{1}{n}\sum_{i}^{n}\left(d_i - \sqrt{A_0/N_A}\right)^2}}{\sqrt{\frac{A_0}{N_A}}}$$

wherein d_i is the distance from ~~the~~ an i-th second-phase particle to ~~the~~ a nearest second-phase particle, A_o is the measured visual field area, and N_A is the number of the second-phase ~~particle~~ particles confirmed within the measured visual field area, wherein the equable dispersion degree E is not more than 0.8.

6. (Original) The copper alloy according to claim 1, wherein the content of the Ti is 2.5 to 3.5 mass%.

7. (Withdrawn) A producing method for the copper alloy of claim 1 comprising the steps of:

producing an ingot in which 0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P is added to Cu, and 2.0 to 4.0 mass% of Ti is added;

solution treating for heating the ingot up to ultimate temperature T°C, the ingot heated to temperature exceeding 600°C at a heating rate of not less than 20°C /sec, and the ingot is then held for not less than 10 sec within a temperature range of T-100°C to T°C, resulting in a supersaturated solid solution;

cold rolling by applying cold rolling with 5 to 50% of degree of processing from conditions of the supersaturated solid solution; and

aging treating for applying a thermal treatment to the rolled material at 350 to 450°C.